

ABSTRACT OF THE DISCLOSURE

An integrated database data editing system for editing and managing the relational database data contents remotely through wired or wireless intranet or Internet in an efficient and easy-to-use manner. The editing system contains a client computer visual environment, graphic user interfaces and tools to input, output, modify, update and manage the database data and is extremely useful for editing the large database objects. The TCP/IP (Transfer Control Protocol/Internet Protocol) based connection-oriented network protocols are used to communicate between the client and server computers through a single computer port or a set of ports. The client/server version of the system is implemented by using Java technologies and deployed on the intranet. The web version is implemented by using web, plugin and Java technologies and deployed on Internet and other network systems. The web version has more advantage to implement the security features by using the PKI (Public Key Infrastructure), SSL (Secure Socket Layer) and firewall. The mechanisms for user authentication and access control to the database data editing system are well implemented.